

Title (en)  
CURRENT-LIMITING DEVICE

Title (de)  
VORRICHTUNG ZUR STROMBEGRENZUNG

Title (fr)  
LIMITEUR DE COURANT

Publication  
**EP 0731986 A1 19960918 (DE)**

Application  
**EP 95931122 A 19950925**

Priority  
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Abstract (en)  
[origin: US5828291A] PCT No. PCT/CH95/00215 Sec. 371 Date Jul. 30, 1996 Sec. 102(e) Date Jul. 30, 1996 PCT Filed Sep. 25, 1995 PCT Pub. No. WO96/10269 PCT Pub. Date Apr. 4, 1996A current limiting device including at least one superconductor and at least one nonsuperconducting shunt resistor in parallel with each superconductor. Each superconductor has a first main superconductor face in contact with a main shunt resistor face of a shunt resistor so as to form a compound conductor generally in the form of a meandering band having a band width greater than approximately 3.5 times the superconductor thickness. At least one insulator has opposing faces each in contact with a compound conductor. Multiple compound conductors are arranged such that current flows in opposite directions through adjacent compound conductors.

IPC 1-7  
**H01L 39/16**; **H02H 9/02**

IPC 8 full level  
**H02H 9/02** (2006.01); **H10N 60/30** (2023.01); **H10N 60/355** (2023.01)

CPC (source: EP US)  
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Cited by  
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Designated contracting state (EPC)  
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